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LETTER TRANSMITTING MONITORING WELL APPROVAL FORM IN RESPONSE TO  
REQUEST ZONES C AND I AREA OF CONCERN 522 AND GRID WELLS CNC  
CHARLESTON SC  
1/6/1998  
SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



2600 Bull Street  
Columbia, SC 29201-1708

2903-08420  
2909-08420

JAN 8

6 January 1998  
**CERTIFIED MAIL**

Commander Paul Rose  
Officer in Charge, Caretakers Site Office  
Naval Facilities Engineering Command, Southern Division  
Building NH-45  
Charleston Naval Base  
Charleston, SC 29408-2020

RE: Naval Base Charleston (CNAV)  
Charleston, South Carolina  
SC0-170-022-560

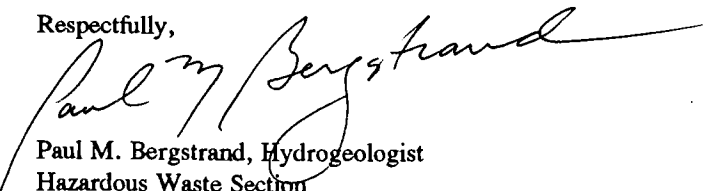
Monitoring Well Request for Zones C and I  
AOC 522 and Zone I Grid Wells 11  
Revision 0, Dated 29 December 1997

Dear Commander Rose:

The above referenced request has been reviewed with respect to R.61-79.265 Subpart F of the South Carolina Hazardous Waste Management Regulations and R.61-71 of the South Carolina Well Standards and Regulations. This request is for the installation of eight temporary monitoring wells to assess contamination of the surficial aquifer. The monitoring wells are anticipated to be completed to a maximum depth of approximately twenty five feet.

Attached, please find a Monitoring Well Approval Form and a copy of the proposed well locations. A copy of this monitor well approval form should be on site during drilling operations. The temporary well abandonment procedures must follow R.61-71.10 (b5) of the South Carolina Well Standards and Regulations. Additional assessment may be required at these well locations. Should there be any questions, please contact me at (803) 896-4016.

Respectfully,

  
Paul M. Bergstrand, Hydrogeologist  
Hazardous Waste Section  
Division of Hydrogeology  
Bureau of Land and Waste Management

Enclosures  
PMB/pmb  
HW-98-002

CC: Christine Sanford-Coker, Trident District EQC  
Johnny Tapia, Hazardous Waste Permitting Section  
Tony Hunt, Southern Division, Charleston  
Todd Haverkost, EnSafe, Mount Pleasant, SC 29464

DD980012.TMW



2600 Bull Street  
Columbia, SC 29201-1708

## Monitoring Well Installation Approval

Approval is hereby granted to: Commander Rose of Naval Base Charleston for

Zone C, AOC-522; Zone I Grid Wells 11  
Naval Base Charleston  
Charleston County

for the construction of monitoring wells designated in accordance with the construction plans and specifications submitted to the Department on 29 December 1997 (Vernoy to Bergstrand). The wells will be constructed within the surficial aquifer to a maximum depth of approximate twenty five feet below the surface and screened for the purpose of monitoring aquifer conditions.

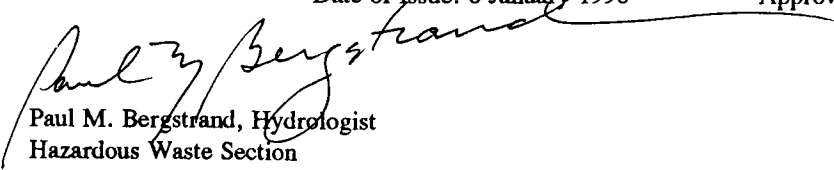
### Conditions:

1. A driller certified to operate in the State of South Carolina must install the wells.
2. That the latitude and longitude, surveyed elevations, boring and/or geologist logs, and actual construction details for each direct push well point be submitted to the Department within 30 days after installation of the last well point.
3. All well construction and sampling derived wastes, including but not limited to, drill cuttings and fluids, development and purge water, must be managed properly and in accordance with all applicable state and federal requirements. If containerized, each vessel shall be clearly labeled with regard to contents, source, and date of activity.
4. That requirements R.61-71.11.C(1-7) for completing these borings as permanent monitoring wells are waived.
5. That all direct push sampling points will be abandoned as outlined in R.61-71.10.
6. Direct push field equipment, including sampling probes, must be decontaminated by steam cleaning before use and between sampling locations. Well screens and casing must be decontaminated before installation.
7. That notice be given to Christine Sanford-Coker, Charleston District EQC Hydrogeologist, during normal business hours at (803) 740-1590 a minimum of 48 hours before the initiation of drilling activities.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 South Carolina Code of Laws and the Department of Health and Environmental Control Well Standards and Regulations, R.61-71.

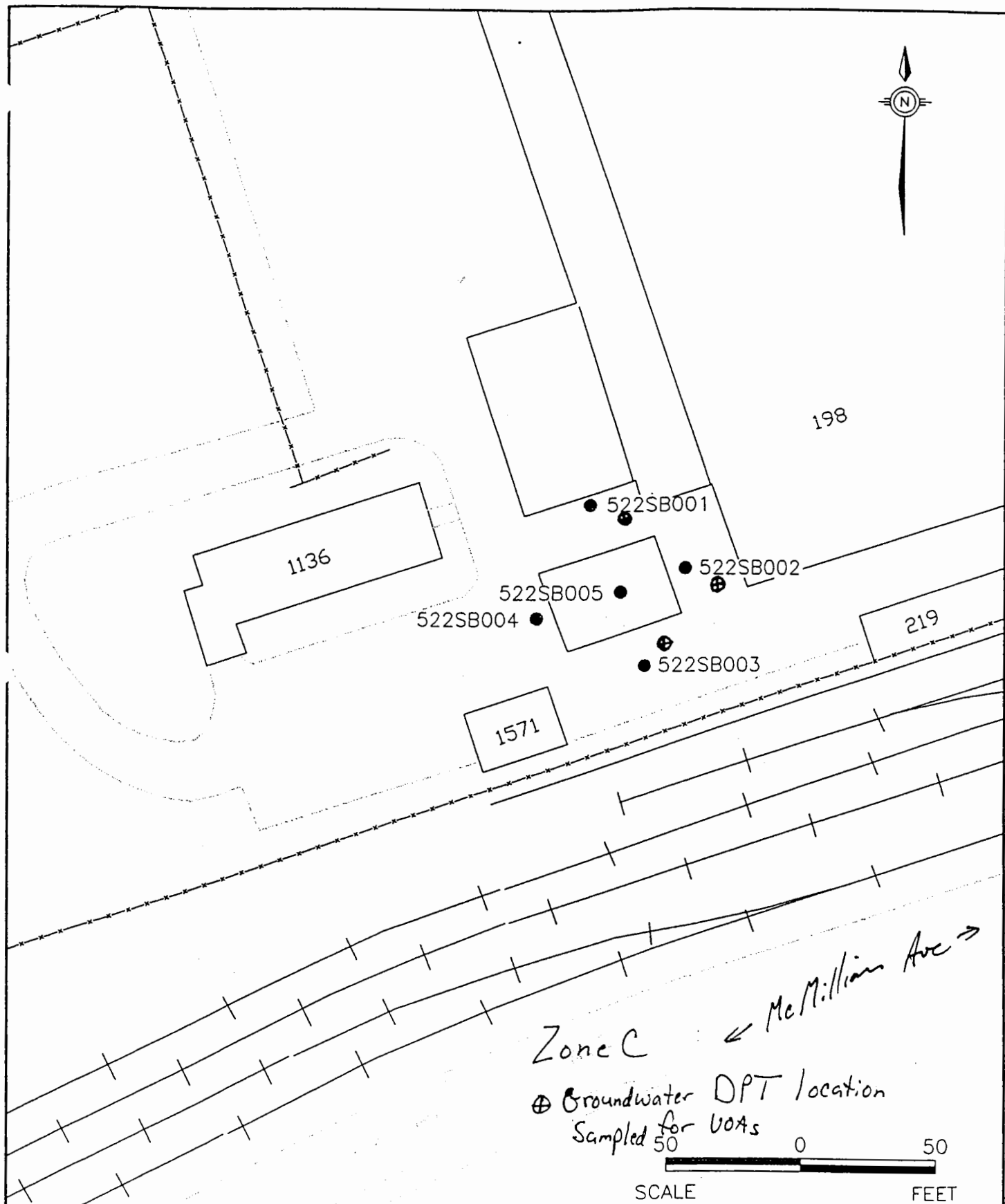
Date of Issue: 6 January 1998

Approval Number: HW-98-002

  
Paul M. Bergstrand, Hydrologist  
Hazardous Waste Section  
Division of Hydrogeology  
Bureau of Land and Waste Management

DD980012.TMW

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL



ZONE C  
RCRA FACILITY  
INVESTIGATION REPORT  
NAVAL BASE CHARLESTON  
CHARLESTON, S.C.

FIGURE 10.8.1  
AOC #522  
FORMER GREASE & WASH BUILDING  
SAMPLING LOCATIONS

DWG DATE: 10/09/97

DWG NAME: 29AOC522

